

Land Use Mitigation Strategies

		Priority (CHECK ONLY ONE)								
	Specific Mitigation Strategy	Existing Program	Very High	High	Moderate	Under Study	Not Applicable, Not Appropriate, or Not Cost Effective	Not Yet Considered	Responsible Agency or Department (Required if Existing Program, Very High, High, or Under Study)	Ordinance or Resolution # (if existing program), Estimated Cost and Possible Funding Agency (if high priority), Estimated Date of Completion (if study) OR Other Comments
LAND - a - Earthquake Hazard Studies for New Developments										
1)	Enforce and/or comply with the State-mandated requirement that site-specific geologic reports be prepared for development proposals within Alquist-Priolo Earthquake Fault Zones, and restrict the placement of structures for human occupancy. (This Act is intended to deal with the specific hazard of active faults that extend to the earth's surface, creating a surface rupture hazard.)	X							City of Fremont Engineering and Building and Safety Divisions	
2)	Require preparation of site-specific geologic or geotechnical reports for development and redevelopment proposals in areas subject to earthquake-induced landslides or liquefaction as mandated by the State Seismic Hazard Mapping Act in selected portions of the Bay Area where these maps have been completed, and condition project approval on the incorporation of necessary mitigation measures related to site remediation, structure and foundation design, and/or avoidance.	X							City of Fremont Engineering and Building and Safety Divisions	
3)	Recognizing that some faults may be a hazard for surface rupture, even though they do not meet the strict criteria imposed by the Alquist-Priolo Earthquake Fault Zoning Act, identify and require geologic reports in areas adjacent to locally-significant faults.	X							City of Fremont Engineering Division	

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4)	Recognizing that the California Geological Survey has not completed earthquake-induced landslide and liquefaction mapping for much of the Bay Area, identify and require geologic reports in areas mapped by others as having significant liquefaction or landslide hazards.	X							City of Fremont	The City's mapping has been completed.
5)	Support and/or facilitate efforts by the California Geological Survey to complete the earthquake-induced landslide and liquefaction mapping for the Bay Area.						X			
6)	Require that local government reviews of geologic and engineering studies are conducted by appropriately trained and credentialed personnel.						X			
LAND - b - Wildland and Structural Fires										
1)	Review development proposals to ensure that they incorporate required and appropriate fire-mitigation measures, including adequate provisions for occupant evacuation and access by emergency response personnel and equipment.	X							City of Fremont Fire Department and Building and Safety Division	
2)	Develop a clear legislative and regulatory framework at both the state and local levels to manage the wildland-urban-interface consistent with <i>Fire Wise</i> and sustainable community principles.						X			
LAND - c - Flooding										

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1)	Establish and enforce requirements for new development so that site-specific designs and source-control techniques are used to manage peak stormwater runoff flows and impacts from increased runoff volumes.	X								City of Fremont Engineering Division	
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2)	Incorporate FEMA guidelines and suggested activities into local government plans and procedures for managing flood hazards.	X							City of Fremont Engineering Division	
3)	Provide an institutional mechanism to ensure that development proposals adjacent to floodways and in floodplains are referred to flood control districts and wastewater agencies for review and comment (consistent with the NPDES program).	X							City of Fremont Engineering Division	
4)	Establish and enforce regulations concerning new construction (and major improvements to existing structures) within flood zones in order to be in compliance with federal requirements and, thus, be a participant in the Community Rating System of the <i>National Flood Insurance Program</i> .	X							City of Fremont Engineering Division	
LAND - d - Landslides and Erosion										
1)	Establish and enforce provisions (under subdivision ordinances or other means) that geotechnical and soil-hazard investigations be conducted and filed to prevent grading from creating unstable slopes, and that any necessary corrective actions be taken prior to development approval.	X							City of Fremont Engineering and Building and Safety Divisions	
2)	Require that local government reviews of these investigations are conducted by appropriately trained and credentialed personnel.	X							City of Fremont Engineering and Building and Safety Divisions	

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3)	Establish and enforce grading, erosion, and sedimentation ordinances by requiring, under certain conditions, grading permits and plans to control erosion and sedimentation prior to development approval.	X							City of Fremont Engineering Division	
4)	Establish and enforce provisions under the creek protection, storm water management, and discharge control ordinances designed to control erosion and sedimentation.	X							City of Fremont Engineering Division	
5)	Establish requirements in zoning ordinances to address hillside development constraints, especially in areas of existing landslides.	X							City of Fremont Engineering, Planning, and Building and Safety Divisions	
LAND - e - Hillside - Multi-Hazard										
1)	Establish a buffer zone between residential properties and landslide or wildfire hazard areas.	X							City of Fremont Engineering, Planning, and Building and Safety Divisions	
2)	Discourage, add additional mitigation strategies, or prevent construction on slopes greater than a set percentage, such as 15%, due to landslide or wildfire hazard concerns.	X							City of Fremont Planning Division	In 2002, Fremont's voters passed Measure T, a citizens' initiative that limits building in the hills.
LAND - f - Smart Growth to Revitalize Urban Areas and Promote Sustainability										
1)	Prioritize retrofit of infrastructure that serves urban areas over constructing new infrastructure to serve outlying areas.						X			
2)	Work to retrofit homes in older areas to provide safe housing close to job centers.						X			

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3)	Work to retrofit older downtown areas to protect architectural diversity and promote disaster-resistance.	X							City of Fremont Engineering, Planning, and Building and Safety Divisions	
4)	Protect as open space areas susceptible to extreme hazards.	X							City of Fremont--citywide effort	
5)	Provide new buffers and preserve existing buffers between development and existing users of large amounts of hazardous materials, such as major industry, due to the potential for catastrophic releases due to an earthquake or terrorism. (Flooding might also result in release or spread of these materials, however it is unlikely.)	X							City of Fremont Planning Division	